



PATENT  
P56999

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:

SUNG-JAE CHO.

Serial No.: 10/735,697

Examiner: BELL, BRUCE F

Filed: 16 December 2003

Art Unit: 1746

For: SECONDARY BATTERY AND METHOD OF MANUFACTURING SAME

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O.Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with 37 C.F.R. §1.56, and §§1.97 and 1.98 as amended, Applicant cites, describes, and provides copies of the following art references:

**FOREIGN PATENT REFERENCE:**

- Japanese Patent Publication No. 2002-334685 to Azema et al., entitled BATTERY LID, published 22 November 2002.
- Japanese Patent Publication No. H07-169506 to Yamashita, entitled LITHIUM ION SECONDARY BATTERY, published 04 July 1995.
- Japanese Patent Publication No. 2001-035333 to Kawanishi, entitled TEMPERATURE FUSE ASSEMBLY AND INSTALLING METHOD OF TEMPERATURE FUSE TO APPARATUS, published 09 February.

**OTHER DOCUMENTS:**

- Office Action for Korean Application No. 10-2002-0081071, dated 21 October 2004.
- Office Action for Korean Application No. 10-2002-0084073, dated 22 October 2004.

**DISCUSSION**

**Azuma, et al. JP'685**, according to the Korean Office Actions in applicant's patent priority applications Serial No. 10-2002-0081071 and Serial No. 10-2002-0084073, discloses that the battery lid comprises a metallic plate member 2a that shields the inside 1a of a battery cell 1 used for a secondary battery and the plate member 2a can be fitted with protection device 4 for explosion-protection or fire-protection, and the plate member 2a is formed with a first recess 2e for housing the protection device 4. Thereby, this battery lid contributes to small-sizing and thinning of the battery.

**Yamashita JP'506** discloses that in a lithium ion secondary battery 1, a recess 2a is formed on the outer surface, except for the upper surface, of an outer container 2 made of a stainless steel, whose upper surface of opening is sealed, preferably in the bottom facing to the upper surface, a thin plate-shaped PTC device whose resistance is positive temperature characteristic serving as a charge/discharge control device is placed and fixed to the upper surface by laser welding and a positive terminal is protruded from the center. By accommodating the device 3 in the recess 2a, it is fixed within the maximum outer dimension of the container 2, and volume efficiency of a compact, lightweight appliance using the battery 1 is enhanced.

**Kawanishi JP'333** discloses that in a thin temperature fuse 1, the tip parts of axial type belt-like lead conductors 12, 12 are fixed on a plastic base film by an adhesive and fusion, and a plate-like holder 2 has a fitting hole 21 for adjusting the whole contour or a part of the contour to a specific position with respect to an apparatus outer surface. A thin body part 10 of the plate-like holder 2 is

adjusted to the whole contour of a temperature fuse installing surface 3 of an apparatus, to be fixed to the temperature fuse installing surface 3 to eliminate fluctuations in a temperature-sensing operational characteristics of the temperature fuse caused by positional dislocation.

Pursuant to 37 CFR §1.97(d), the undersigned attorney hereby certifies that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign patent application not more than three (3) months prior to the filing of the statement.

The citation of the foregoing references is not intended to constitute an assertion that other or more relevant art does not exist. Accordingly, the Examiner is requested to make a wide-ranging and thorough search of the relevant art.

No fee is incurred by this Statement.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "R. E. Bushnell", is written over a horizontal line.

Robert E. Bushnell

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**INFORMATION DISCLOSURE STATEMENT****PTO-1449 (PAGE 1 OF 1)****SERIAL NUMBER** 10/735,697**DOCKET NO.** P56999**APPLICANT** SUNG-JAE CHO**FILING DATE** 16 December 2003**GROUP** 1746**U.S. PATENT DOCUMENTS**

EXAMINER	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE

**FOREIGN PATENT DOCUMENTS****TRANSLATION**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
	JP2002-334685	11/02	JAPAN			Abstract	
	JP07-169506	07/95	JAPAN			Abstract	
	JP2001-035333	09/01	JAPAN			Abstract	

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)**

	Korean Office Action of the Korean Patent Publication No. 2002-81071, issued on 21 Oct. 2004 (English translation attached)
	Korean Office Action of the Korean Patent Publication No. 2002-84073, issued on 22 Oct. 2004 (English translation attached)

**EXAMINER:****DATE CONSIDERED:**

**EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP §609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.